

Flood

Design

Overtopping

DESIGNED - A.S.L.

CHECKED - S.W.M.

DRAWN - D.T.M.

CHECKED - S.W.M.

LOADING HL-93

Design Specifications: 2007 AASHTO LRFD

with all applicable interims. 50#/Sq. Ft. included in dead load for

future wearing surface.

O Opening Sq. Ft. Natural Head - Ft. Headwater El. C.F.S. Exist. Prop. H.W.E. Exist. Prop. Exist. Prop.

 20
 1660
 200
 200
 370.6
 0.5
 0.8
 371.1
 371.4

 100
 2490
 200
 200
 371.2
 0.3
 1.0
 371.5
 372.2

 500
 3400
 200
 200
 371.8
 0.3
 0.8
 372.1
 372.6

## GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Excavation required to construct the Abutments shall be included

in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.

All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act. The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.

See sheet 14 for Boring.

WHITE OAK CREEK BUILT 20\_\_\_ BY GALLATIN COUNTY SEC. 08-00073-00-BR STR. NO. 030-3128 LOADING HL-93

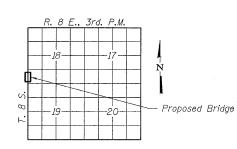
NAME PLATE See Std. 515001



Proposed Abut. Cap

Note: See Special Provisions for Stone Dumped Riprap, Class A4 (Special).

SECTION A-A



LOCATION SKETCH

## TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			50
Removal of Existing Structures	Each			1
Concrete Stryctures	Cu. Yd.		22.8	22.8
Concrete Encasement	Cu. Yd.		2.8	2.8
Precast Prestressed Concrete Deck Beams (17'' Depth)	Sq. Ft.	1,056		1,056
Reinforcement Bars	Pound		2,400	2,400
Steel Railing, Type S1	Foot	85		85
Furnishing Steel Piles HP10x42	Foot		280	280
Driving Piles	Foot		280	280
Name Plates	Each		1	1
Stone Dumped Riprap, Class A4 (Special)	Sq. Yd.			150

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications,"

STEVEN
W. MEGGINSON
081-6064
SPRINGFIELD, IL

GENERAL PLAN AND ELEVATION STRUCTURE NO. 030-3128

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGI LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 09.0121.130

SHEET NO.1 8 SHEETS

TOTAL SHEET SHEETS NO. F.A.S. SECTION COUNTY 1897 08-00073-00-BR GALLATIN 14 7 CONTRACT NO. 99422 FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT

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Stone Dumped Riprap, Class A4 (Special)	Sq. Yd.			150

Stem W. Megina 10/2. ILLINOIS STRUCTURAL NO. 081-6064 10/22/2010

Expires 11-30-2010